

Premiership League Numeracy

Contributor's notes

What I've done is take last season's (2005-06) final Premiership football league table and cunningly disguise it as a series of numeracy questions. It thinly covers various parts of the curriculum though doesn't go into detail on any area, and it's perhaps best used for a mixed ability numeracy lesson (we have a lesson for the whole centre once per week, and I used it for this).

Entry 3 learners may struggle with some of the questions (e.g. nos. 7-10), though at the same time the resource will challenge Level 2 learners (the questions on formulae).

There's also a final question which necessitates students finding a current Premiership league table; I didn't give any help on this, and some went straight to the Internet whilst others asked another tutor for a newspaper. A nice little bit of problem solving, and also a chance for students to move around a bit having answered the rest of the questions.

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Main Curriculum References

Whole Numbers

N1/E3.1 – count, read, write, order and compare numbers up to 1000

N1/L1.3 – add, subtract, multiply and divide using efficient written methods

N1/L1.5 – recall multiplication facts up to 10x10 and make connections with division facts

N1/L2.4 – evaluate expressions and make substitutions in given formulae in words and symbols to produce results

Decimals, fractions and percentages

N2/E3.1 – read, write and understand common fractions

N2/L1.1 read, write, order and compare common fractions and mixed numbers

N2/L1.9 find simple percentage parts of quantities and measurements

N2/L1.11 use a calculator to calculate efficiently using whole numbers, fractions, decimals & percentages

Reading

Rt/L1.5 use different reading strategies to find and obtain information

2005-06 Premiership League. Final Results.

Position	Team	Colours	P	W	D	L	F	A	Pts
1	Chelsea	blue	38	29	4	5	72	22	91
2	Manchester United	red	38	25	8	5	72	34	83
3	Liverpool	red	38	25	7	6	57	25	
4	Arsenal	red	38	20	7	11	68	31	67
5	Tottenham Hotspur	navy	38	18	11	9	53	38	65
6	Blackburn Rovers	blue	38	19	6	13	51	42	63
7	Newcastle United	black	38	17	7	14	47	42	58
8	Bolton Wanderers	white	38	15	11	12	49	41	56
9	West Ham United	claret	38	16	7	15	52	55	
10	Wigan Athletic	blue	38	15	6	17	45	52	51
11	Everton	blue	38	14	8	16	34	49	50
12	Fulham	white	38	14	6	18	48	58	48
13	Charlton Athletic	red	38	13	8	17	41	55	47
14	Middlesbrough	red	38	12	9	17	48	58	
15	Manchester City	lt blue	38	13	4	21	43	48	43
16	Aston Villa	claret	38	10	12	16	42	55	42
17	Portsmouth	blue	38	10	8	20	37	62	38
18	Birmingham City	blue	38	8	10	20	28	50	34
19	West Bromwich Albion	navy	38	7	9	22	31	58	30
20	Sunderland	red	38	3	6	29	26	69	15

KEY

P = matches played

W = matches won

D = matches drawn

L = matches lost

F = Goals scored for the team

A = Goals scored against the team

Pts = Total points scored

Using the information in the league table, answer the following questions.

1. How many matches did each team play?
2. Which team won the most games?
3. Which team drew the most games?
4. Which two teams finished right in the middle of the table?
5. Which team won exactly half of their games?
6. How many teams play in light blue? How could you write this as a fraction? How could it be written as a percentage? What percentage of teams play in red? Express this as a fraction.
7. Sometimes league tables contain a category for 'Goal Difference' (GD); this is the difference 'between goals scored for a team' and 'goals scored against a team'. Write a formula for working out goal difference using the abbreviations GD, F and A.
8. Work out the GD for a) Tottenham Hotspur, b) Chelsea and c) Portsmouth
9. How could you work out the number of goals per game for each team? Write a formula using GPG to represent goals per game.
10. What is the GPG for a) Fulham, b) Manchester City and c) Sunderland?
11. Teams get 3 points for a win, 1 for a draw and 0 for a loss. The total points have been missed out for Liverpool, West Ham United and Middlesbrough. Work them out and write in the totals.
12. Find a copy of the most recent Premiership League Table.
 - How many teams are in the same position as they were in 2005-06?
 - How many 'new' teams have appeared in the league since 2005-06?
 - Who has a) scored the most goals b) the least goals?
 - What is the range of goals scored in the Premier League at the moment?